

ABSTRACT

The present invention relates to a method for repairing and reinforcing an underground pipe. The method of the present invention comprises the steps of inserting an inner mold made of flexible material through the interior of a reinforcing element including a fiber preform surrounded by impermeable inner and outer tubes made of the flexible material and combining the inner mold with the reinforcing element; positioning a combined element, which includes the reinforcing element and the inner mold, into the underground pipe to be repaired and reinforced; injecting and expanding the inner mold with and by high temperature fluid, and brining the reinforcing element into close contact with an inner wall of the underground pipe; injecting the reinforcing element with thermosetting resin; and removing the inner mold after the thermosetting resin has been cured. According to the method of the present invention, there are advantages in that simplification of the processes and reduction of incidental expenses can be obtained since it is not necessary to fasten the cover for injecting the resin and air.